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2655 Camino Del Rio N. Suite 302
San Diego, CA 92108
619-296-6195 TEL
619-296-6199 FAX

November 15, 2005

Project No. 08BP.06021.06

Monitoring Well Clerk
County of San Diego, Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Subject: Well Destruction Report
ARCO Facility No. 6021
1801 South Coast Highway
Oceanside, California 92054
APN 153-271-19-00 and 153-271-22-00
SAM Case No. H20616-001
Well Permit No. LMON103465

Dear Madam or Sir:

SECOR International Incorporated (SECOR), on behalf of Atlantic Richfield Company, destroyed the six remaining of the 21 groundwater monitoring and remediation wells at the referenced site (Figure 1), under County of San Diego Department of Environmental Health (DEH) Permit Number LMON103465. The other 15 wells had been destroyed under DEH Permit Number LMON103042 in August 2005 and were reported under separate cover. A site plan and a copy of the well permit cover sheet are attached. Details of the well destructions are presented below.

On November 1, 2005 SECOR personnel observed Gregg Drilling & Testing, Inc. (Gregg) destroy on-site wells MW-5, SV-5, and SV-7. Gregg used a Mobile Drill B61 truck-mounted drill rig, equipped with 10-inch outer diameter (OD) hollow-stem augers to remove the well materials by overdrilling. The resulting boreholes for wells SV-5 and SV-7 were backfilled with grout (which was placed using the tremie method) from the bottom of each borehole and topped with hydrated bentonite chips to approximately three feet below ground surface. The borehole for well MW-5 was grouted to approximately 4 feet below ground surface (bgs), and soil that sloughed into the borehole was left in place from 3 to 4 feet bgs. The top three feet of the boreholes were filled with concrete to the level of the surrounding ground surface.

Due to the presence of subsurface utilities in close proximity to wells MW-12, SV-2 and SV-3, the DEH approved their destruction by the pressure grouting method. On November 7, 2005 SECOR personnel observed Test America Drilling Corporation (Test America) destroy off-site wells MW-12, SV-2, and SV-3. The 4-inch diameter PVC casing of well MW-12 was cut below the annular seal to the bottom of the well using a carbide bit. A vented well cap was placed on top of the casings of the wells and grout was introduced into the casings at a minimum of 25 pounds per square inch in one continuous operation to avoid bridging. The three wells (MW-12, SV-2, and SV-3) were pressure grouted to three feet below ground surface and were capped with concrete to the level of the ground surface.

The approximate quantities of materials used to backfill the boreholes were as follows:

Well Number	Boring Depth (feet bgs)	Well Depth (feet bgs)	Hydrated Bentonite Grout (cubic feet)	Hydrated Bentonite Chips (cubic feet)	Concrete (cubic feet)
MW-5	40	31	16.6	0	4.8
MW-12	30	30	8.3	0	1.2
SV-2	35	25	6.2	0	1.2
SV -3	35	25	6.2	0	4.8
SV-5	36	25	16.6	3	4.8
SV-7	36.5	25	16.6	3	4.8

Feet bgs= feet below ground surface

Please contact the undersigned at (619) 296-6195 if any additional information is required.

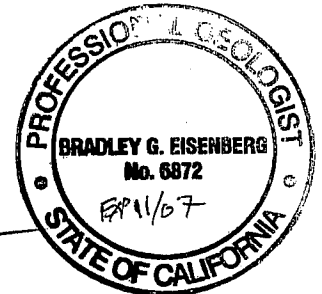
Respectfully submitted,

SECOR International Incorporated

Melissa Garrett

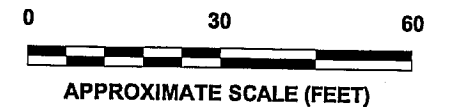
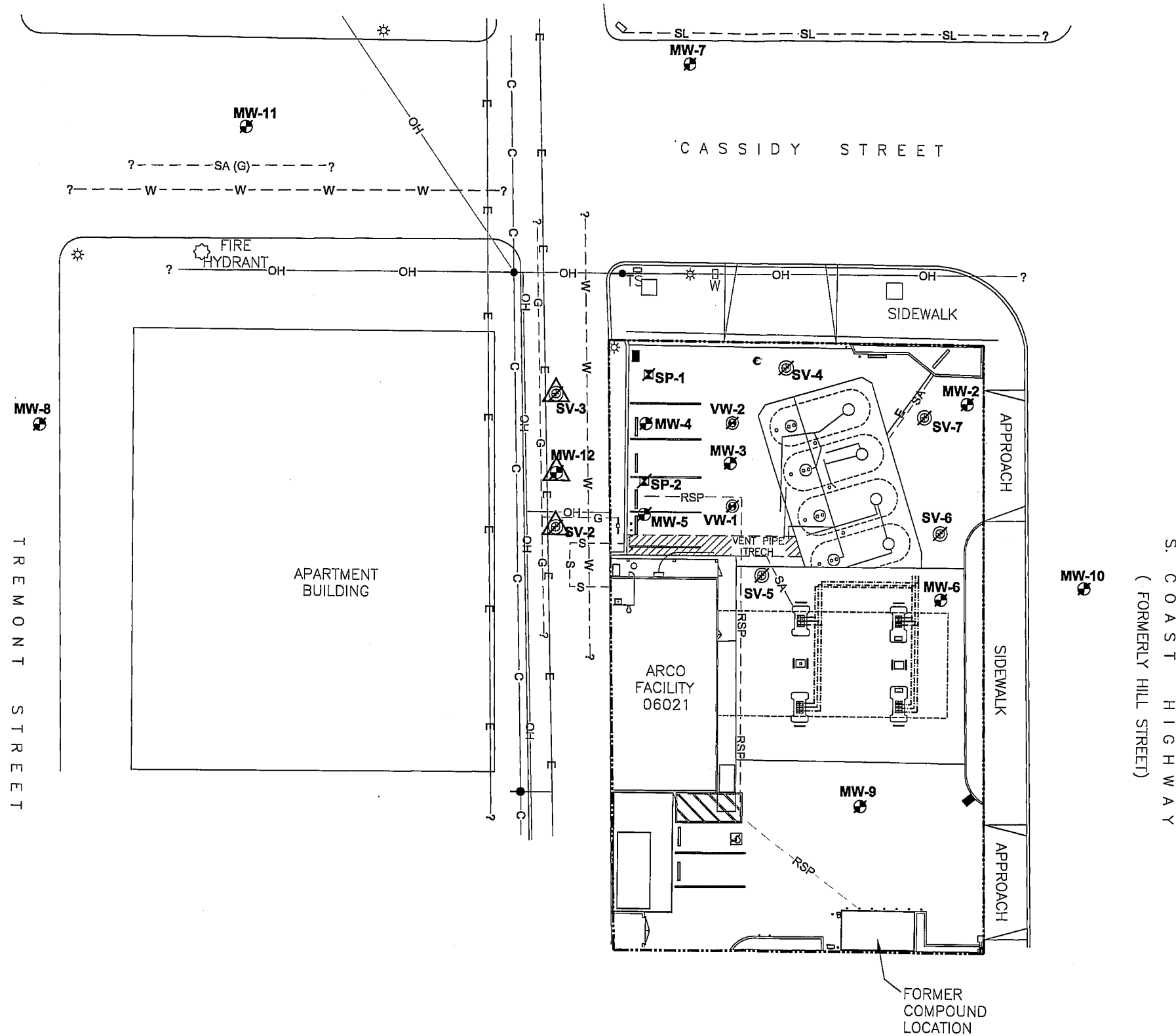
Melissa Garrett
Staff Scientist


Bradley Eisenberg
Bradley Eisenberg, PG #6872
Senior Geologist



cc: Mr. Danny Martinez - SAM
Ms. Joanna McKeehan – Gregg Drilling & Testing, Inc.
Mr. Manuel Marquez - Test America Drilling, Corporation

Attachments: Figure 1 – Site Plan with Identified Utilities
Monitoring Well Destruction Permit Cover Sheet



 11085 KNOTT AVENUE, SUITE B CYPRESS, CALIFORNIA PHONE: (714)379-3366/FAX: (714)379-3375	FOR: ATLANTIC RICHFIELD COMPANY ARCO FACILITY 06021 1801 SOUTH COAST HIGHWAY OCEANSIDE, CALIFORNIA		SITE PLAN WITH IDENTIFIED UTILITIES		FIGURE: 1
	JOB NUMBER: 08BP.06021.06.0447	DRAWN BY: L. RAMIREZ	CHECKED BY: MG	APPROVED BY: BE	DATE: JULY 2005

FILEPATH:Q:\CADD-08\Projects 2005\ARCO\6021-2k5\6021UT9-05.dwg|pdodge|Nov 15, 2005 at 10:27|Layout: FIGURE 2



PERMIT #LMON103465
A.P.N. #153-271-19, 22
EST #H20616 (CLOSED)

**COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM**

MONITORING WELL DESTRUCTION PERMIT

SITE NAME: ARCO #6021

SITE ADDRESS: CITY RIGHT OF WAY ADJACENT TO 1801 SOUTH COAST
HIGHWAY, OCEANSIDE, CA 92054

PERMIT TO: **DESTROY 6 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: OCTOBER 10, 2005

PERMIT EXPIRES ON: FEBRUARY 7, 2006

RESPONSIBLE PARTY: ATLANTIC RICHFIELD COMPANY

PERMIT CONDITIONS:

1. A variance in well destruction is approved to allow pressure grouting for MW12, SV2 and SV3, as proposed in letter from B. Eisenberg, PG, dated 9-27-05, submitted with the permit application.
2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (http://www.sdcountry.ca.gov/deh/lwq/sam/manual_guidelines.html). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
3. Within 60 days of completing work, submit a well destruction report, including description of the method of destruction, type and volume of materials used (in cubic feet) to the Monitoring Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 5-7.
4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.

APPROVED BY:

Carol Spangenberg
CAROL SPANGENBERG

DATE: 10/10/2005

NOTIFIED:

10/10/05 EP